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#8

RAW SEQUENCE LISTING

DATE: 02/08/2002

PATENT APPLICATION: US/09/816,653A

TIME: 07:35:25

Input Set : A:\09-816,653 corrected seq. list. 10716.57.txt

Output Set: N:\CRF3\02082002\I816653A.raw

p.5

3 <110> APPLICANT: Rastelli, Luca
 4 Pennica, Diane
 6 <120> TITLE OF INVENTION: NOVEL HUMAN STRA6-LIKE PROTEIN AND NUCLEIC ACIDS ENCODING
 THE SAME

ENTERED

8 <130> FILE REFERENCE: 10716/57
 10 <140> CURRENT APPLICATION NUMBER: 09/816,653A
 11 <141> CURRENT FILING DATE: 2001-03-23
 13 <150> PRIOR APPLICATION NUMBER: 60/191,532
 14 <151> PRIOR FILING DATE: 2000-03-23
 16 <160> NUMBER OF SEQ ID NOS: 7
 18 <170> SOFTWARE: PatentIn version 3.1
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 22 <212> TYPE: DNA
 23 <213> ORGANISM: Homo sapiens hSTRA6 nucleotide fragment, 5' region
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 40 agctgggtaca tcgatgagcc ccaggggggg gnnagagctcc agccagaggg ggaagtggcc 120
 42 tcctgccaca ccagcatacc acccgccctg taccacgcct gcctggcctc gctgtcaatc 180
 44 cttgtgctgc tgcctctggc catgctgggtg aggcgcgcgc agctctggcc tgactgtgtg 240
 46 cgtggcaggc ccggcctgcc cagccctgtg gattttcttg ctggggacag gccccgggca 300
 48 gtgcctgctg ctgttttcat ggctctcttg agctccctgt gtttgctgct ccccgacgag 360
 50 gacgcattgc cttctctgac tctgcctca gcacccagcc aagatgggaa aactgaggct 420
 52 ccaagagggg cctggaagat actgggactg ttccattatg ctgccctcta ctaccctctg 480
 54 gctgcctgtg ccacggctgg ccacacagct gcacacctgc tcggcagcac gctgtcctgg 540
 56 gccaccttg ggtccaggt ctggcagagg gcagagtgtc ccaggtgcc caagatct 598
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 60 <211> LENGTH: 199
 61 <212> TYPE: PRT
 62 <213> ORGANISM: Homo sapiens hSTRA6 amino terminal polypeptide fragment
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 65 <221> NAME/KEY: MISC_FEATURE
 66 <222> LOCATION: (31)..(31)
 67 <223> OTHER INFORMATION: Xaa is any amino acid
 70 <400> SEQUENCE: 2
 72 Met Ser Gln Pro Ala Gly Asn Gln Thr Ser Pro Gly Ala Thr Glu Asp

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Input Set : A:\09-816,653 corrected seq. list. 10716.57.txt

Output Set: N:\CRF3\02082002\I816653A.raw

73 1 5 10 15
 76 Tyr Ser Tyr Gly Ser Trp Tyr Ile Asp Glu Pro Gln Gly Gly Xaa Glu
 77 20 25 30
 80 Leu Gln Pro Glu Gly Glu Val Pro Ser Cys His Thr Ser Ile Pro Pro
 81 35 40 45
 84 Gly Leu Tyr His Ala Cys Leu Ala Ser Leu Ser Ile Leu Val Leu Leu
 85 50 55 60
 88 Leu Leu Ala Met Leu Val Arg Arg Arg Gln Leu Trp Pro Asp Cys Val
 89 65 70 75 80
 92 Arg Gly Arg Pro Gly Leu Pro Ser Pro Val Asp Phe Leu Ala Gly Asp
 93 85 90 95
 96 Arg Pro Arg Ala Val Pro Ala Ala Val Phe Met Val Leu Leu Ser Ser
 97 100 105 110
 100 Leu Cys Leu Leu Leu Pro Asp Glu Asp Ala Leu Pro Phe Leu Thr Leu
 101 115 120 125
 104 Ala Ser Ala Pro Ser Gln Asp Gly Lys Thr Glu Ala Pro Arg Gly Ala
 105 130 135 140
 108 Trp Lys Ile Leu Gly Leu Phe His Tyr Ala Ala Leu Tyr Tyr Pro Leu
 109 145 150 155 160
 112 Ala Ala Cys Ala Thr Ala Gly His Thr Ala Ala His Leu Leu Gly Ser
 113 165 170 175
 116 Thr Leu Ser Trp Ala His Leu Gly Val Gln Val Trp Gln Arg Ala Glu
 117 180 185 190
 120 Cys Pro Gln Val Pro Lys Ile
 121 195
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 125 <211> LENGTH: 1351
 126 <212> TYPE: DNA
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 132 <223> OTHER INFORMATION: n is a, t, c or g
 135 <220> FEATURE:
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 156 <223> OTHER INFORMATION: n is a, t, c or g

~~RAW SEQUENCE LISTING~~
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Input Set : A:\09-816,653 corrected seq. list. 10716.57.txt
Output Set: N:\CRF3\02082002\I816653A.raw

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174 <223> OTHER INFORMATION: n is a, t, c, or g
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179 <222> LOCATION: (874)..(874)
180 <223> OTHER INFORMATION: n is a, t, c or g
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185 <222> LOCATION: (905)..(905)
186 <223> OTHER INFORMATION: n is a, t, c or g
189 <220> FEATURE:
190 <221> NAME/KEY: misc_feature
191 <222> LOCATION: (908)..(908)
192 <223> OTHER INFORMATION: n is a, t, c or g
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198 <223> OTHER INFORMATION: n is a, t, c or g
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202 <221> NAME/KEY: misc_feature
203 <222> LOCATION: (1172)..(1172)
204 <223> OTHER INFORMATION: n is a, t, c or g
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208 <221> NAME/KEY: misc_feature
209 <222> LOCATION: (1174)..(1174)
210 <223> OTHER INFORMATION: n is a, t, c or g
213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature
215 <222> LOCATION: (1198)..(1198)
216 <223> OTHER INFORMATION: n is a, t, c or g
219 <220> FEATURE:
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222 <223> OTHER INFORMATION: n is a, t, c or g
225 <220> FEATURE:
226 <221> NAME/KEY: misc_feature
227 <222> LOCATION: (1295)..(1295)
228 <223> OTHER INFORMATION: n is a, t, c or g
231 <400> SEQUENCE: 3

RAW SEQUENCE LISTING

DATE: 02/08/2002

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TIME: 07:35:25

Input Set : A:\09-816,653 corrected seq. list. 10716.57.txt

Output Set: N:\CRF3\02082002\I816653A.raw

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232 tgetacatct cagccttgggt cttgtcctgc ttactcacct tectggctct gatgcgctca      60
234 ctggtgacac acaggcttgg ttctgggggc agcggggatg gccagttttc atggaacctg      120
236 ttttctgtcc cctgccact cccgcccctg gcagggtcc tggcgagca gatcatcttc      180
238 ttctgggaa ccaaggccct ggccttctct gtgtcatgc ctgtgtcca tggcaggaac      240
240 ctctgttct tccgttccct ggagtcctcg tggcccttct ggctgacttt ggcctgggt      300
242 gtgactctgc agaacatggc agccattgg gtcttcttg agactcatga tggacaccca      360
244 cagctgacca accggcgagt gctctatgca gccaccttct ttctcttccc cctcaatgtg      420
246 ctggtgggtg ccatggnnnn nnctgctcc cccagcattg ccatccgcca ccccacccca      480
248 ggctactaca cgtaccgaaa cttcttgaag attgaagtc gccagtcgca tccagccatg      540
250 acagccttct gctccctgct cctgcaagcg cagagcctcc taccaggac catggcagcc      600
252 cccaggaca gcctcagacc aggggaggaa gacgaaggat gcagctgcta cagacaaagg      660
254 actccatggc caagggagct aggccggggg ccanccgagg cagggtctgc tgggtctgg      720
256 cctacacgct gctgcacaac ccaaccctgc aggtcttccg caagacggcc ctgttgggtg      780
258 ccaatggtgc ccagccctgc tctccctcc cgggtctcc tcccagcatc acaccagcca      840
260 tgcagccagc aggctctcg gatcacngtg gttnggtgga ggtctgtctg cactgggagc      900
262 ctcangangg ctctgtctca cccacttggc tatgggagag ccagcagggg ttctggagaa      960
264 aaaaactggg gggttagggc cttggtccag gagccagttg agccagggca gccacatcca      1020
266 ggcgtctccc taacctggct ctgccatcag ccttgaaggg cctcgatgaa gccttctctg      1080
268 gaaccactcc agccagctc cacctcagcc ttggccttca cgctgtgga gcagccaagg      1140
270 cacttctctca cccctcagc gccacggacc tntntgggga gtggccggaa agctcccngg      1200
272 cctntggcct gcagggcagc ccaagtcatg actcagacca ggtcccacac tgagctgccc      1260
274 acactcgaga gccagatatt tttgtagttt ttatnctttt ggctattatg aaagaggtta      1320
276 gtgtgttccc tgcaataaac ttgttctga g      1351
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280 <211> LENGTH: 325
281 <212> TYPE: PRT
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286 <222> LOCATION: (146)..(148)
287 <223> OTHER INFORMATION: Xaa represents any amino acid, other, or unkown
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291 <221> NAME/KEY: MISC_FEATURE
292 <222> LOCATION: (232)..(232)
293 <223> OTHER INFORMATION: Xaa represents any amino acid, other, or unkown
296 <220> FEATURE:
297 <221> NAME/KEY: MISC_FEATURE
298 <222> LOCATION: (290)..(290)
299 <223> OTHER INFORMATION: Xaa represents any amino acid, other, or unkown
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305 <223> OTHER INFORMATION: Xaa represents any amino acid, other, or unkown
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310 <222> LOCATION: (302)..(302)
311 <223> OTHER INFORMATION: Xaa represents any amino acid, other, or unkown
314 <220> FEATURE:
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RAW SEQUENCE LISTING

DATE: 02/08/2002

PATENT APPLICATION: US/09/816,653A

TIME: 07:35:25

Input Set : A:\09-816,653 corrected seq. list. 10716.57.txt

Output Set: N:\CRF3\02082002\I816653A.raw

316 <222> LOCATION: (303)..(303)
 317 <223> OTHER INFORMATION: Xaa represents any amino acid, other, or unkown
 320 <400> SEQUENCE: 4
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 323 1 5 10 15
 326 Leu Met Arg Ser Leu Val Thr His Arg Leu Gly Ser Gly Gly Ser Gly
 327 20 25 30
 330 Asp Gly Gln Phe Ser Trp Asn Leu Phe Ser Val Pro Leu Pro Leu Pro
 331 35 40 45
 334 Pro Leu Ala Gly Leu Leu Val Gln Gln Ile Ile Phe Phe Leu Gly Thr
 335 50 55 60
 338 Thr Ala Leu Ala Phe Leu Val Leu Met Pro Val Leu His Gly Arg Asn
 339 65 70 75 80
 342 Leu Leu Phe Phe Arg Ser Leu Glu Ser Ser Trp Pro Phe Trp Leu Thr
 343 85 90 95
 346 Leu Ala Leu Ala Val Ile Leu Gln Asn Met Ala Ala His Trp Val Phe
 347 100 105 110
 350 Leu Glu Thr His Asp Gly His Pro Gln Leu Thr Asn Arg Arg Val Leu
 351 115 120 125
 354 Tyr Ala Ala Thr Phe Leu Leu Phe Pro Leu Asn Val Leu Val Gly Ala
 355 130 135 140
 358 Met Xaa Xaa Xaa Cys Ser Pro Ser Ile Ala Ile Arg His Pro Thr Pro
 359 145 150 155 160
 362 Gly Tyr Tyr Thr Tyr Arg Asn Phe Leu Lys Ile Glu Val Ser Gln Ser
 363 165 170 175
 366 His Pro Ala Met Thr Ala Phe Cys Ser Leu Leu Leu Gln Ala Gln Ser
 367 180 185 190
 370 Leu Leu Pro Arg Thr Met Ala Ala Pro Gln Asp Ser Leu Arg Pro Gly
 371 195 200 205
 374 Glu Glu Asp Glu Gly Met Gln Leu Leu Gln Thr Lys Asp Ser Met Ala
 375 210 215 220
 378 Lys Gly Ala Arg Pro Gly Ala Xaa Arg Gly Arg Ala Arg Trp Gly Leu
 379 225 230 235 240
 382 Ala Tyr Thr Leu Leu His Asn Pro Thr Leu Gln Val Phe Arg Lys Thr
 383 245 250 255
 386 Ala Leu Leu Gly Ala Asn Gly Ala Gln Pro Cys Ser Ser Leu Pro Gly
 387 260 265 270
 390 Ser Pro Pro Ser Ile Thr Pro Ala Met Gln Pro Ala Gly Pro Pro Asp
 391 275 280 285
 394 His Xaa Gly Xaa Val Glu Val Cys Leu His Trp Glu Pro Xaa Xaa Gly
 395 290 295 300
 398 Ser Ala Pro Pro Thr Trp Leu Trp Glu Ser Gln Gln Gly Phe Trp Arg
 399 305 310 315 320
 402 Lys Lys Leu Val Gly
 403 325
 406 <210> SEQ ID NO: 5
 407 <211> LENGTH: 6964
 408 <212> TYPE: DNA
 409 <213> ORGANISM: Homo sapiens clone RP11-60L3, Sequencing in Progress, 9 unordered
 pieces; GenBank AC023300, nts 150524 to 157487

Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 02/08/2002

PATENT APPLICATION: US/09/816,653A

TIME: 07:35:26

Input Set : A:\09-816,653 corrected seq. list. 10716.57.txt

Output Set: N:\CRF3\02082002\I816653A.raw

L:40 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5